

WHAT IS CLAIMED IS:

1. A method of managing digital images captured by a customer using a combined portable telecommunications and digital image capture device, said method comprising:

a telecommunication service provider providing a telecommunication service to a customer, said telecommunications service provider forwarding a periodic statement for telecommunication services provided to said customer for a predetermined time period;

providing a data base for receiving and storing said digital images from said customer using said combined telecommunications device to transmit said digital images to said service provider; and

said telecommunication service provider providing to said customer a visual representation of said captured images taken during said predetermined time period along with said periodic statement.

2. A method according to claim 1 comprising the further step of editing of said digital images prior to transmitting said images to said service provider.

3. A method according to claim 1 comprising the further step of ordering photofinishing goods and/or services with respect to said images included in said visual representation.

4. A method according to claim 3 wherein the step of ordering photofinishing goods and/or services further comprises completing and returning a paper order form.

5. A method according to claim 4 wherein the step of ordering photofinishing goods and/or and payment for said telecommunications are returned together to said telecommunication service provider.

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6. A method according to claim 4 wherein the step of ordering photofinishing goods and/or services further comprises placing an order by telephone.

7. A method according to claim 4 wherein the step of ordering photofinishing goods and/or services further comprises placing an on-line order via the internet.

8. A method according to claim 1 comprising the further step of:

providing by said telecommunications service provider one combined periodic billing to said customer for the use of said combined portable telecommunication and image capture device, and for the use of said telecommunication services, and for storage and management of said captured images.

9. A system for managing digital images of a customer, said system comprising:

a telecommunication service provider for providing a telecommunication service to a customer, said telecommunication service provider forwarding a periodic statement for telecommunication services provided to said customer for a predetermined time period;

a combined portable telecommunications and digital image capture device capable of capturing digital images and also for transmitting said captured images to said telecommunications service provider;

a data base for receiving and storing said captured images transmitted from said customer; and

a computer used by said service provider for managing and associating said telecommunications and image storage services for said customer

and for providing a visual representation of said captured images captured during said predetermined time period along with said periodic statement.

10. A system according to claim 9 wherein said visual representation is an electronic display.

11. A system according to claim 9 wherein said visual representation is a hard copy print.

12. A system according to claim 9 wherein said telecommunication services comprises telephone services.

13. A system according to claim 9 wherein said portable combined telecommunication and image capture device comprises a combined cellular phone and a digital camera.

14. A system according to claim 9 wherein said portable combined telecommunication and image capture device includes a selection device for editing of said digital images prior to transmitting said images to said data base.

15. A multi-section statement form for use by a combined telecommunications and imaging services service provider, comprising:

a first portion of said form comprising a billing invoice for telecommunications and imaging services charges accumulated for a predetermined time period;

a second portion of said form comprising a hard copy index print containing images taken during a predetermined time period;

a third portion of said form comprising an order form for ordering photographic goods and/or services based upon said images contained in said index print.

Figure 1. The effect of the number of iterations on the accuracy of the proposed algorithm. The figure shows the accuracy of the proposed algorithm as a function of the number of iterations. The x-axis represents the number of iterations (0 to 100), and the y-axis represents the accuracy (0.8 to 1.0). The accuracy increases rapidly from approximately 0.85 at iteration 0 to nearly 1.0 by iteration 20, and then remains stable around 1.0 for subsequent iterations up to 100.